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APPLICATION NO.	LICATION NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/839,096	09/839,096 04/20/2001 Hisayoshi Usui		14553	1740
23389	7590 01/21/2004	EXAMINER		
	COTT MURPHY & PRES	LE, KIET T		
400 GARDEN CITY PLAZA GARDEN CITY, NY 11530			ART UNIT	PAPER NUMBER
			2683	,
			DATE MAILED: 01/21/2004	4 10

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Application Application Application Application Application Application Application Application Art Unit Kiet T Le 2683 Art Unit 268					<u> </u>				
## Examiner Riet Tue 2683 ## The MAILING DATE of this communication appears on the cover sheet with the correspondence address ## Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.13(a). In so event, however, may a negly be timely filled where SIX (SMONTHS from the maining date of this communication. ## IND period for regly is appecified above, the maximum statutory partial was apply and will explire SIX (B) MONTHS from the mention globe of the communication. ## IND period for regly is appecified above, the maximum statutory partial of all apply and will explire SIX (B) MONTHS from the mention globe of this communication. ## IND period for regly is appecified above, the maximum statutory partial of will apply and will explire SIX (B) MONTHS from the mention globe of the communication. ## IND period for regly is appecified above, the maximum statutory partial of will apply and will explire SIX (B) MONTHS from the mention globe. ## IND period for regly is appecified above, the maximum statutory partial of the communication, even if threatly filed, may reduce any Statutes ## IND period for regly is application is in condition of mention and provided will apply and will explire SIX (B) MONTHS from the mention of the communication. ## IND period for regly is application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quay/e, 1935 C.D. 11, 453 O.G. 213. ## IND period for the above claim(s) is in the application. ## IND period for the above claim(s) is in the application of the above claim(s) is sidere allowed. ## IND period for the above claim(s) is in the application of the application of the application is objected to by the Examiner. ## IND period for the application is objected to by the Examiner. ## IND period for the provision of the priority docu	_		Applic	Application No. Applicant(s)					
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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1, 2, 3 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Twitchell et al. (US 6,222,483) in view of Krasner (US 5,841,396).

Regarding **claim 1,** Twitchell discloses a mobile telephone system comprising: a mobile telephone base station connected to a telephone network [see fig.2, BS (46) & PSTN); and a mobile telephone apparatus [see fig. 2 & 3, Remote Unit (42)] which comprises a first GPS unit [see fig. 3, GPS Circuitry (60, 62)] for receiving a GPS wave as a first received GPS signal to obtain position data of said mobile telephone apparatus by information processing with reference to said first received GPS signal (see col. 5, lines 24 – 36) and a radio section (see fig. 3, Telecom Circuitry) connected to said first GPS unit for transmitting, by radio communication, the position data of said mobile telephone apparatus to said mobile telephone base station to make said mobile telephone base station inform said telephone network of the position data of said mobile telephone apparatus (see fig. 4A, blocks 110 – 140).

Twitchell fails to disclose said mobile telephone base station comprising a mobile telephone base section for transmitting, by radio communication, position information of said mobile telephone base station to said mobile telephone apparatus to enable said

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mobile telephone apparatus to use the position information of said mobile telephone base station instead of the position data of said mobile telephone apparatus.

Krasner teaches said mobile telephone base station comprising a mobile telephone base section [see fig. 1A, Base station (10), GPS Antenna (12) and Antenna (14)] for transmitting, by radio communication, position information of said mobile telephone base station to said mobile telephone apparatus to enable said mobile telephone apparatus to use the position information of said mobile telephone base station instead of the position data of said mobile telephone apparatus (see col. 16, lines 29 – 44). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to provide the above teaching of Krasner to Twitchell, in order to obtain the position of a mobile phone even when the GPS receiver of the mobile phone does not receive the GPS signals from GPS satellites.

Regarding **claim 2**, the combination Twitchell and Krasner disclose said mobile telephone base station further comprises a second GPS unit [see Krasner, fig. 1A, Base station (10), GPS Antenna (12)] for receiving said GPS wave as a second received GPS signal to obtain the position information of said mobile telephone base station by information processing with reference to said second received GPS signal (see Krasner, col. 3, lines 15 – 19);

said mobile telephone base section [see Krasner, fig. 5A, Transmitter (503 & 503a) and Receiver (504 & 504a) being connected to said second GPS unit [see Krasner, fig. 5A, GPS Receiver (501 & 501a)] to be supplied with the position

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information of said mobile telephone base station from said second GPS unit (see Krasner, fig. 5A, col. 10, line 64 to col. 11, line 3).

Regarding **claim 3**, the combination of Twitchell and Krasner disclose said mobile telephone base section (see Krasner, fig. 1A, Base station 'Antenna 14 & Data Link 16) transmits, by radio communication, the position information of said mobile telephone base station to said mobile telephone apparatus by including said position information in report information which is reported to said mobile telephone apparatus (see Krasner, col. 3, lines 15 – 21).

Regarding **claim 4**, the combination of Twitchell and Krasner disclose the radio section of said mobile telephone apparatus transmits, when said first GPS unit does not receive the GPS wave and does not obtain the position data of said mobile telephone apparatus, the position information of said mobile telephone base station to said mobile telephone base station by radio communication instead of the position data of said mobile telephone apparatus to make said mobile telephone base station inform said telephone network of the position information of said mobile telephone base station instead of the position data of said mobile telephone apparatus (see Krasner, col. 16, lines 29 – 44).

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3. Claim **7** is rejected under 35 U.S.C. 103(a) as being unpatentable over Twitchell et al. (US – 6,222,483) in view of Krasner (US – 5,841,396) and further in view Ishigaki (US – 6,121921).

Regarding claim 7, the combination Twitchell and Krasner fail to disclose said mobile telephone apparatus further comprises a control section for carrying out power supply intermittent control to intermittently energize said first GPS unit so that said first GPS unit is intermittently turned on under said power supply intermittent control.

Ishigaki teaches said mobile telephone apparatus further comprises a control section for carrying out power supply intermittent control to intermittently energize said first GPS unit so that said first GPS unit is intermittently turned on under said power supply intermittent control (see fig. 1, MPU (5), col. 3, line 50 to col. 4, line 4).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to provide the above teaching of Ishigaki to the combination of Twitchell and Krasner, in order to save the power consumption whenever the GPS receiver of a mobile phone does not receive the GPS signals from satellites.

Allowable Subject Matter

4. Claims **5** and **6** are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Regarding **claim 5**, the applied references fail to disclose said mobile telephone apparatus further comprises a display section for displaying map information specified by one of the position information of said mobile telephone base station and the position data of said mobile telephone apparatus, said mobile telephone apparatus receiving, upon display of said map information in said display section, said map information through said mobile telephone base station from said telephone network by transmitting said one of the position information of said mobile telephone base station and the position data of said mobile telephone apparatus through said mobile telephone base station to said telephone network.

Regarding **claim 6**, the applied references fail to disclose said map information is obtained by the use of a homepage of an internet connected through a router (40a) to said telephone network.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Camp, Jr. et al (US – 6,070,078) discloses Reduced Global Positioning System Receiver Code Shift Search Space for a Cellular Telephone System.

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5. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Kiet T. Le whose telephone number is (703) 305-9006. The examiner can normally be reached on Monday-Friday from 8:00 am to 5:00pm.

If attempts to reach the examiner by phone are unsuccessful, the examiner's supervisor, William Trost can be reached on (703)-308-5318. The fax number for this group is (703) 872-9314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Kiet Le.

Jan 8, 2004

NGUYENT.VO PRIMARY EXAMINER